Group B Additional Problem 13:

Pseudo code:

1. Define a function named 'Xor' that takes a string 'line' and an integer 'key' as input. Iterate over each character in the string, apply the XOR operation between the character and the key, and store the result back into the string.
2. Define a function named 'Not' that takes a string 'line' as input. Iterate over each character in the string, apply the bit-wise NOT operation on the character, and store the result back into the string.
3. In the main function:
   a. Define a character array 'text' of size 1000.
   b. Read a user-specified text from the input and store it in 'text'.
   c. Prompt the user to choose an encryption or decryption method: XOR or bit inversion.
   d. If the user chooses XOR encryption, prompt the user to enter a key and read it from the input.
   e. Call the 'Xor' function or the 'Not' function based on the user's choice to perform the encryption or decryption operation on the input text.
   f. Print the encrypted or decrypted text to the output.
   g. Prompt the user to perform the inverse operation by entering 1 or 0.
   h. If the user enters 1, perform the inverse operation on the result of the previous operation and ask if the user wants to inverse again.
      i. Call the 'Xor' function or the 'Not' function based on the user's choice to perform the inverse operation on the result.
      ii. Print the decrypted text to the output.
      iii. Prompt the user to perform the inverse operation again by entering 1 or 0.
   i. If the user enters 0, exit the program.
4. Return 0 to exit the program.